

**Claims**

What is claimed is:

**[c0001]** A system for tracking central office telecommunications equipment information, comprising:

    a database of telecommunications equipment information for a central office;

    a graphical user interface for providing access to the database and visual representations of equipment information within a central office;

    a search engine for responding to user queries of the database of telecommunication equipment information;

    a management report generator for extracting and providing reports on the equipment contained in a central office based on the results of a search engine query; and

    a drawing system interfacing with the graphical user interface and the database for viewing, printing and editing drawings depicting central office equipment.

**[c0002]** The system of Claim 1 wherein the access to the database is through the Internet.

**[c0003]** The system of Claim 1 wherein the visual representation allows a drawing to be panned, zoomed and scrolled.

**[c0004]** The system of Claim 3 wherein a link is established between the visual representation of the drawing and the equipment including rack details.

[c0005] The system of Claim 1 wherein types of equipment and inventory records contained in the database are accessed and reported as a group.

[c0006] The system of Claim 1 wherein position number is used to organize display of racks and equipment in a visual representation.

[c0007] The system of Claim 1 wherein access to the central office telecommunications equipment information is restricted by security controls on users.

[c0008] The system of Claim 1 wherein access to the database is through a wireless application protocol.

[c0009] A method of tracking central office telecommunications equipment information, comprising the steps of:

storing telecommunications equipment information for a central office in a database; providing access to the database and visual representations of equipment information within a central office through a graphical user interface;

searching the database of telecommunication equipment information in response to a user query;

extracting and providing management reports on the equipment information contained in a central office based on the query search results; and

interfacing with the graphical user interface and the database for viewing, printing and editing drawings depicting central office equipment.

[c00010] The method of Claim 9 wherein access to the database is through the Internet.

[c00011] The method of Claim 9 wherein a drawing may be manipulated by panning, zooming and scrolling.

[c00012] The method of Claim 9 wherein a link is established between the visual representation of a drawing and the equipment including rack details.

[c00013] The method of Claim 9 wherein the types of equipment and inventory records contained in the database are accessed and reported as a group.

[c00014] The method of Claim 9 wherein position number is used to organize display of racks and equipment in a visual representation.

[c00015] The method of Claim 9 wherein access to the central office telecommunications equipment information is restricted by security controls on users.

[c00016] The method of Claim 9 wherein access to the database is through a wireless application protocol.

[c00017] A computer program product for tracking central office telecommunications equipment information comprising:

a computer useable medium having a computer readable program code means embodied in the computer usable medium for causing an application program to execute on a computer system, the computer readable program code means comprising:

computer readable program code for storing a database containing telecommunications equipment information for a central office;

computer readable program code for providing access to the database and visual representations of equipment information within a central office.

computer readable program code for querying the database for information based on a user request;

computer readable program code for visually presenting the results of the query in the form of reports; and

computer readable program code for allowing the viewing, printing and editing of drawings depicting central office equipment.

**[c00018]** The computer program product of Claim 17 wherein the database is accessed through the Internet.

**[c00019]** The computer program product of Claim 17 wherein the database is accessed through a wireless application protocol.

**[c00020]** The computer program product of Claim 17 wherein access to the central office telecommunications equipment information is restricted by security controls on users.

**Appendix**

A Source Code Listing of the Operation of the invention Comprising 1 Fiche of 39 Frames